

CIRCUIT ARRAY MODULE

ABSTRACT OF THE DISCLOSURE

Circuit array modules that can be assembled into one, two or three dimensional modular circuit arrays. Modules can include a straightforward location mechanism for determining the location of the circuit array modules within a modular circuit array. Modules allow multiple configurations to be stored in non-volatile memory a pre-determined configuration can be loaded upon power-up or reset based upon a number of factors, including the location of the circuit array module within a modular circuit array and/or the location, type and/or connection position of adjacent circuit array modules. A software system a workstation connects to a modular circuit array and allows the determination of the components of the modular circuit array, programming or configuration of some or all of the circuit array modules within the modular circuit array, and observation/control of the modular circuit array while executing an processing program or routine.